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FIG. 1

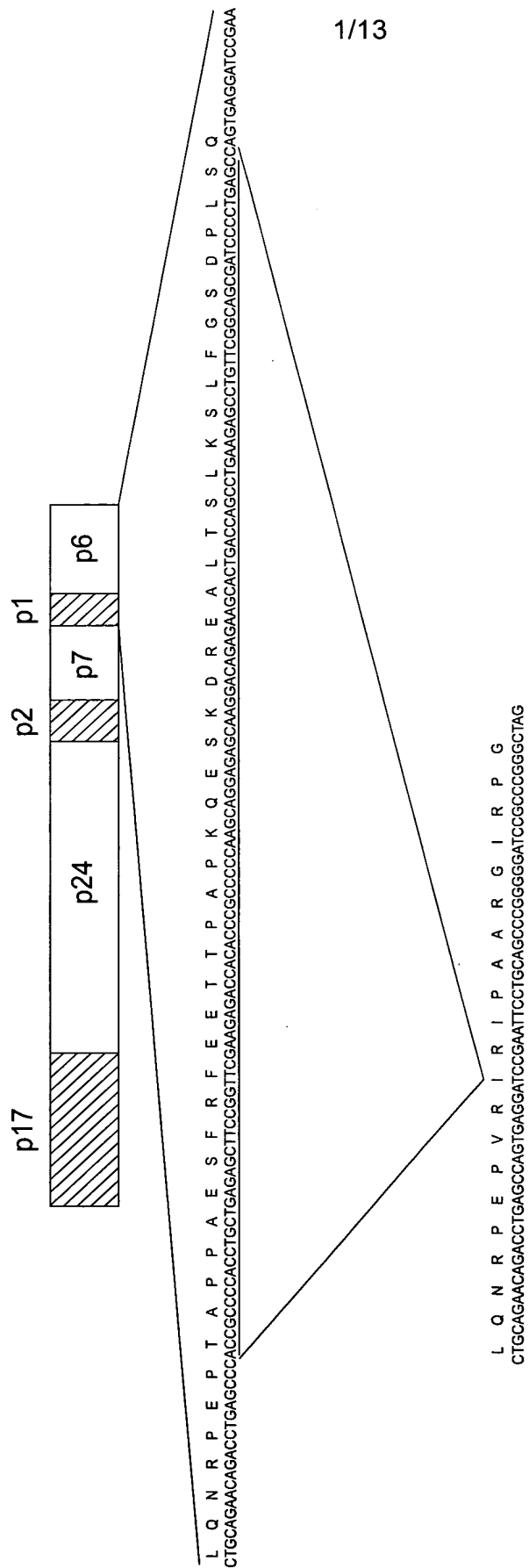


FIG. 2A1

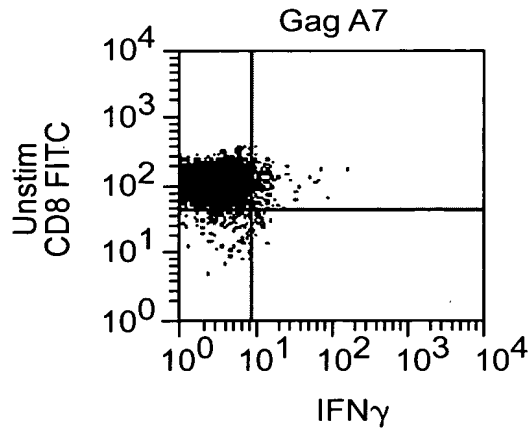


FIG. 2A2

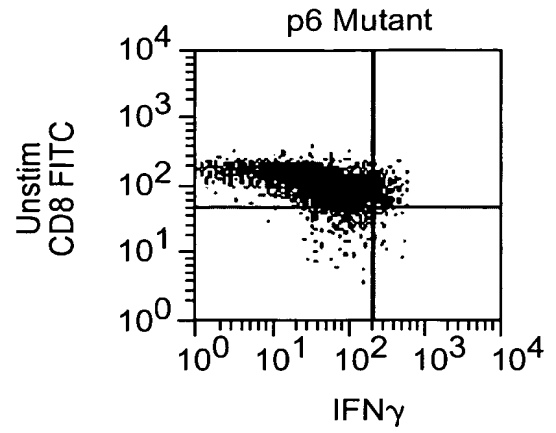


FIG. 2A3

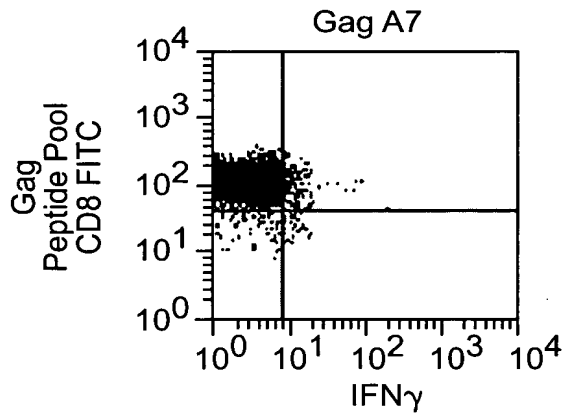


FIG. 2A4

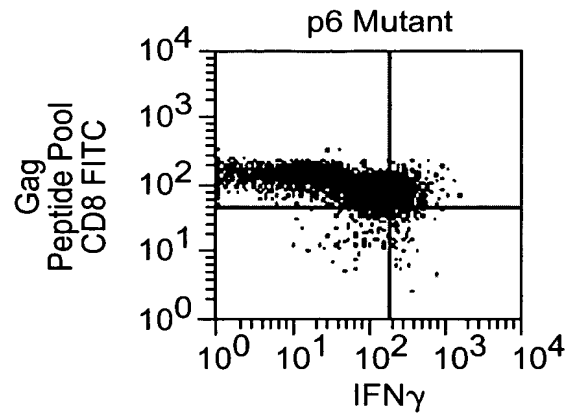


FIG. 2A5

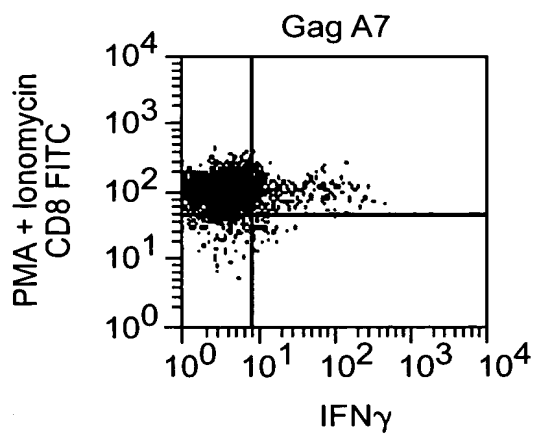


FIG. 2A6

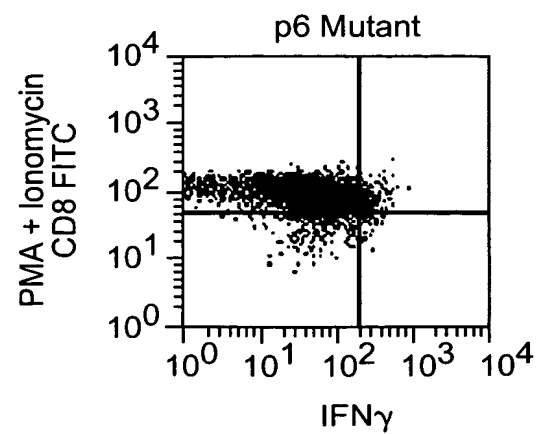


FIG. 2A7

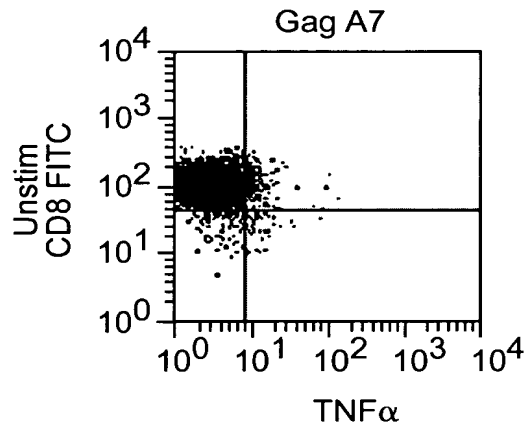


FIG. 2A8

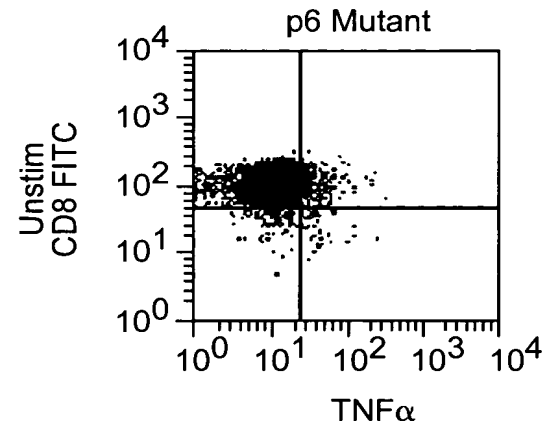


FIG. 2A9

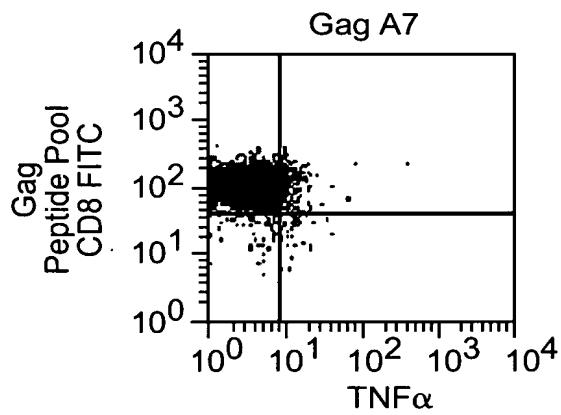


FIG. 2A10

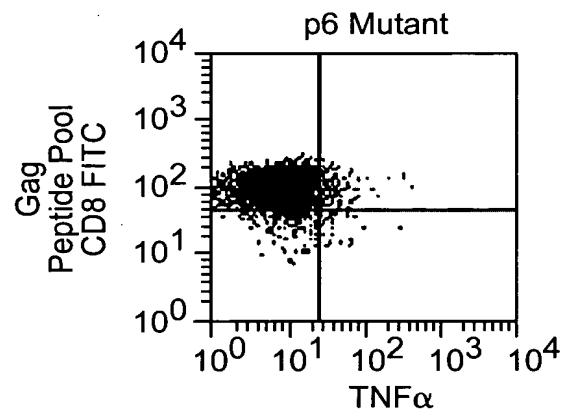


FIG. 2A11

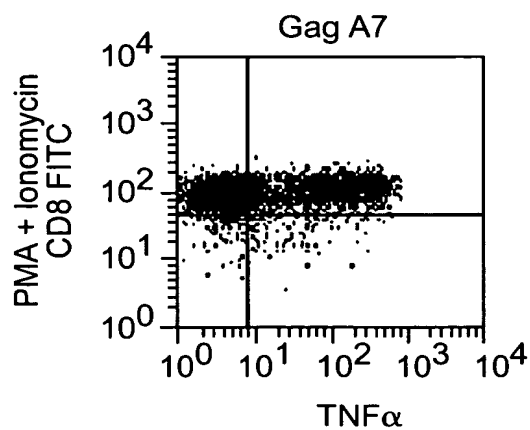


FIG. 2A12

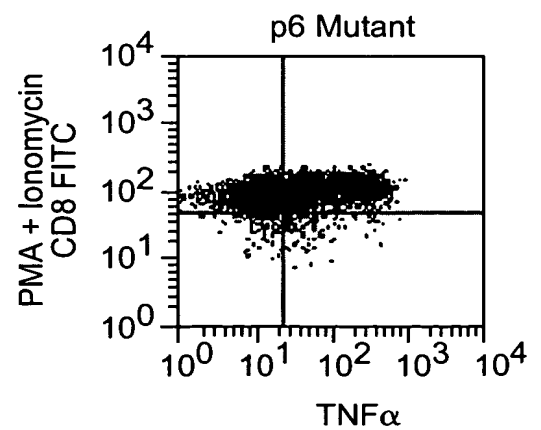


FIG. 2B1

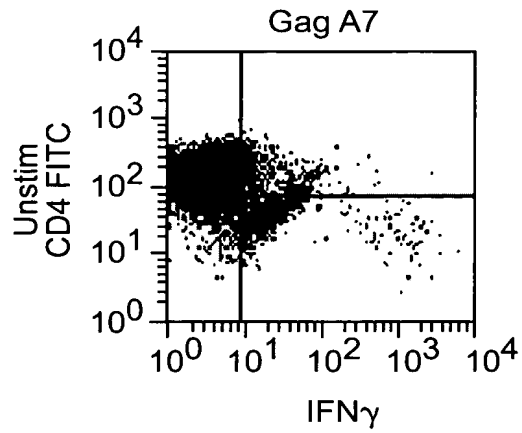


FIG. 2B2

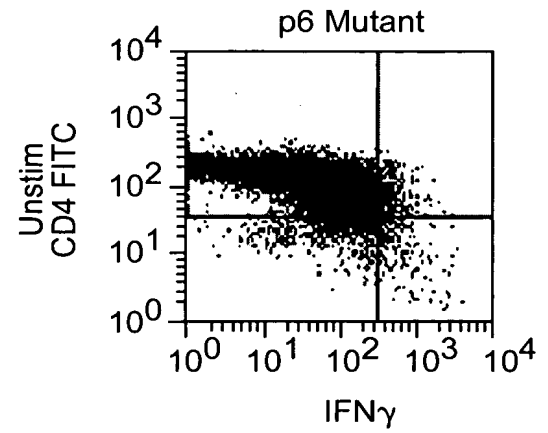


FIG. 2B3

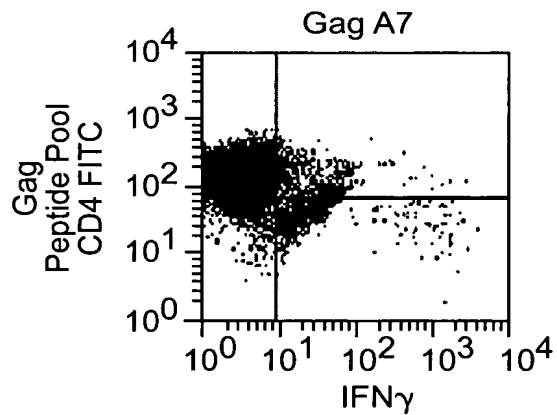


FIG. 2B4

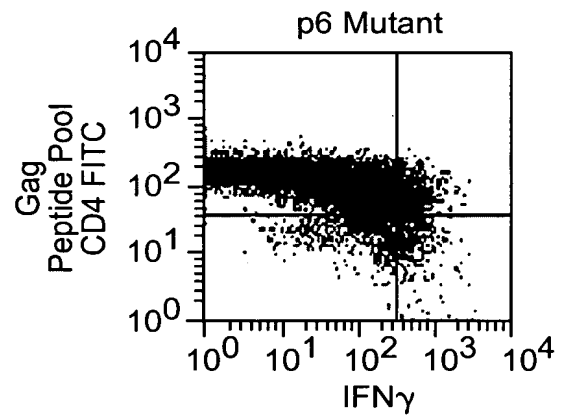


FIG. 2B5

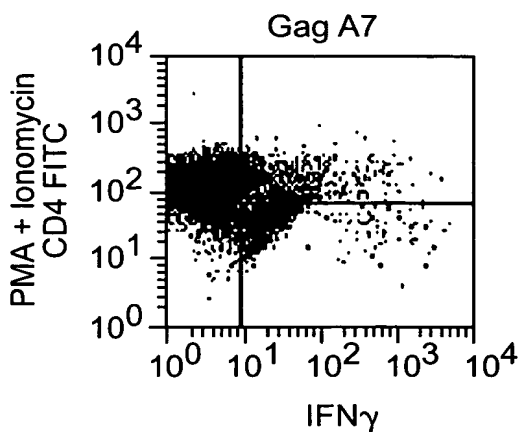


FIG. 2B6

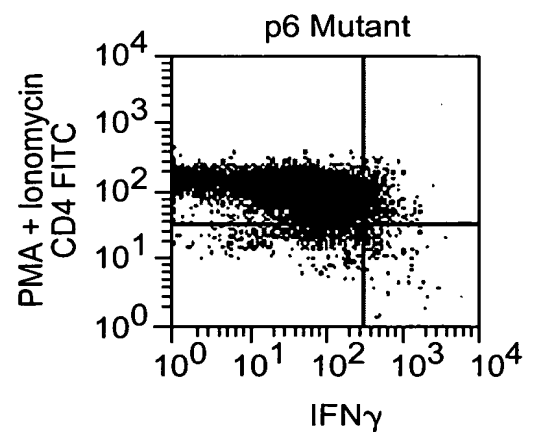


FIG. 2B7

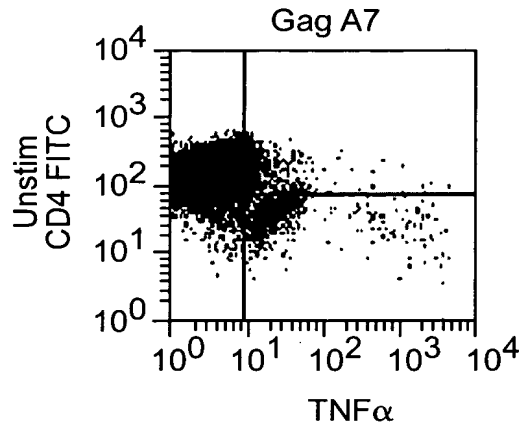


FIG. 2B8

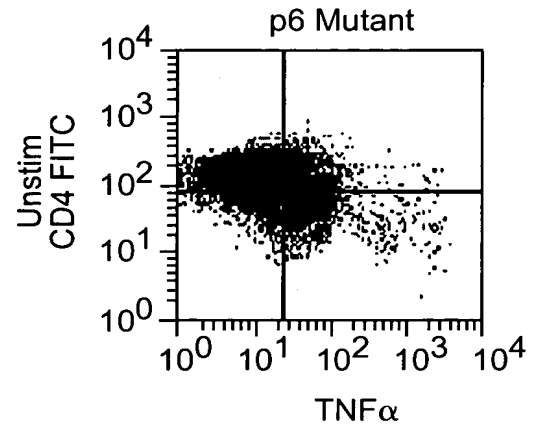


FIG. 2B9

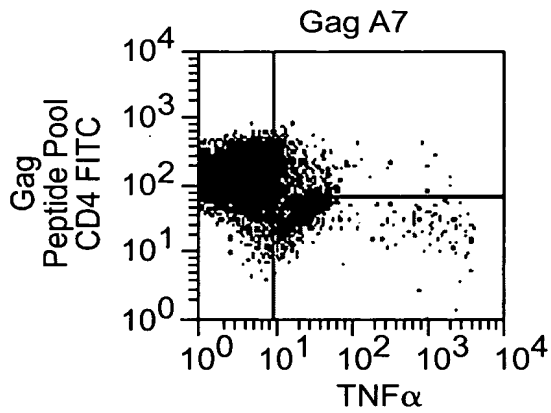


FIG. 2B10

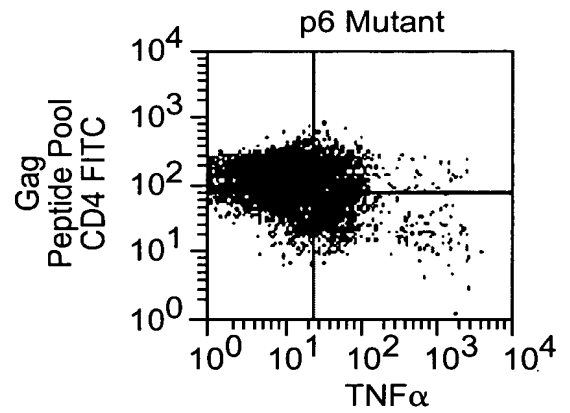


FIG. 2B11

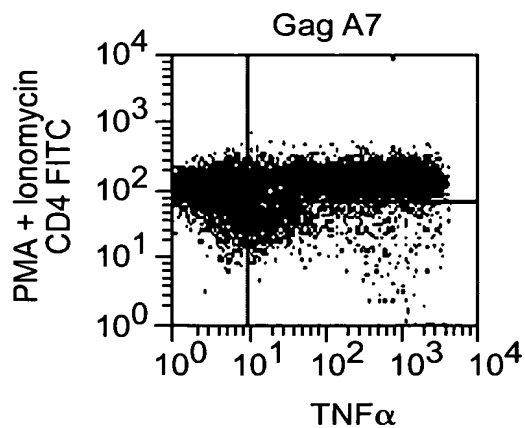


FIG. 2B12

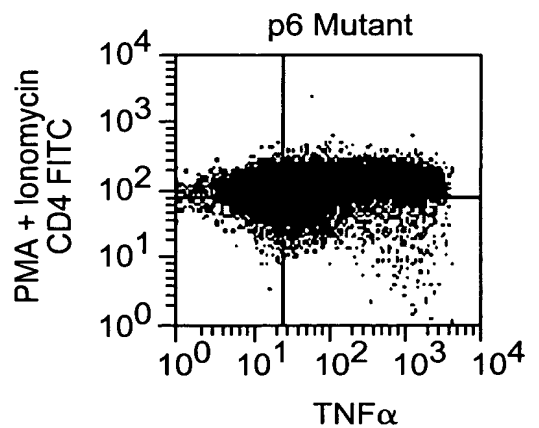


FIG. 2C1

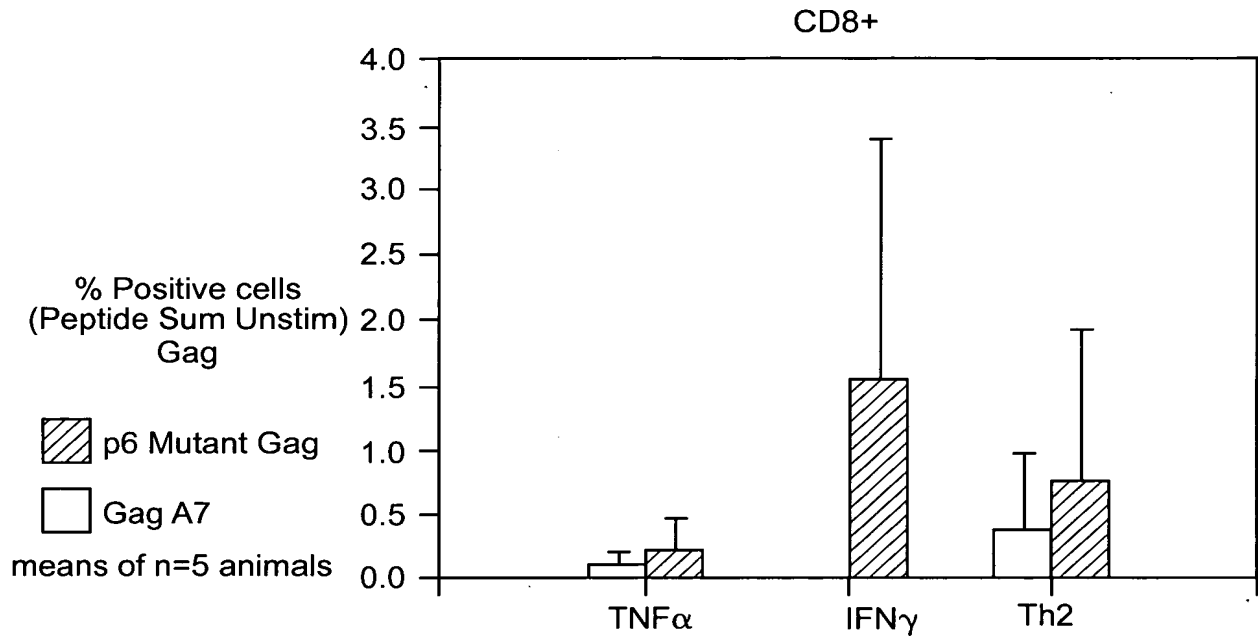


FIG. 2C2

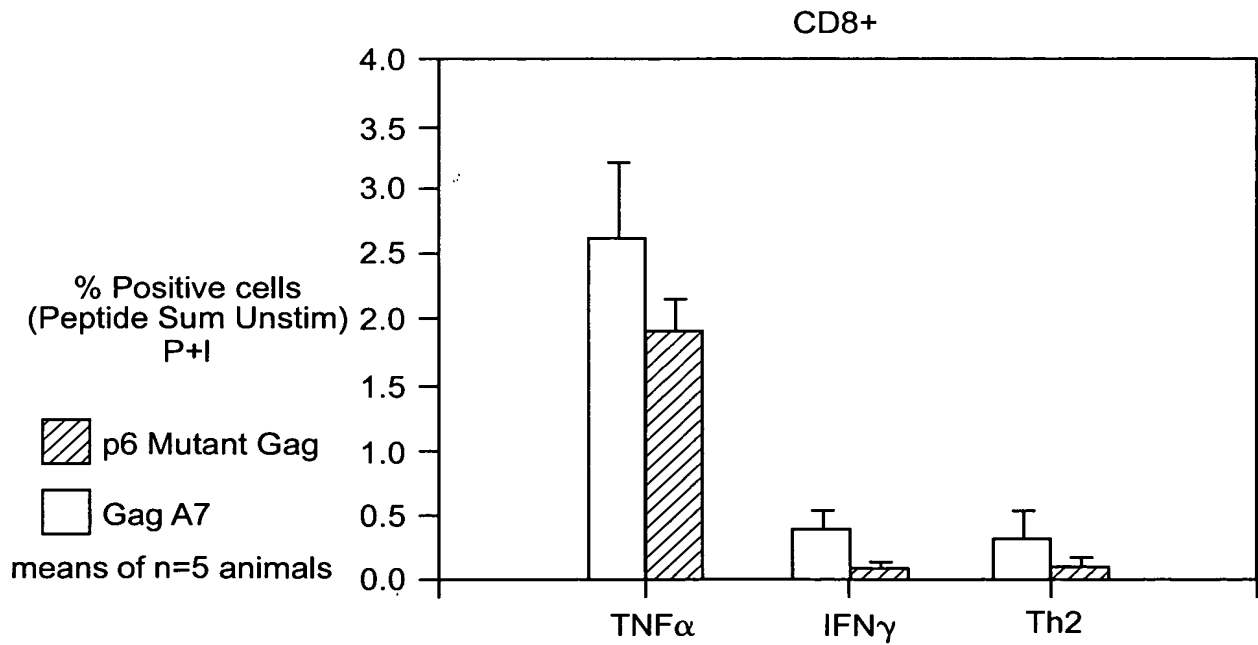


FIG. 2C3

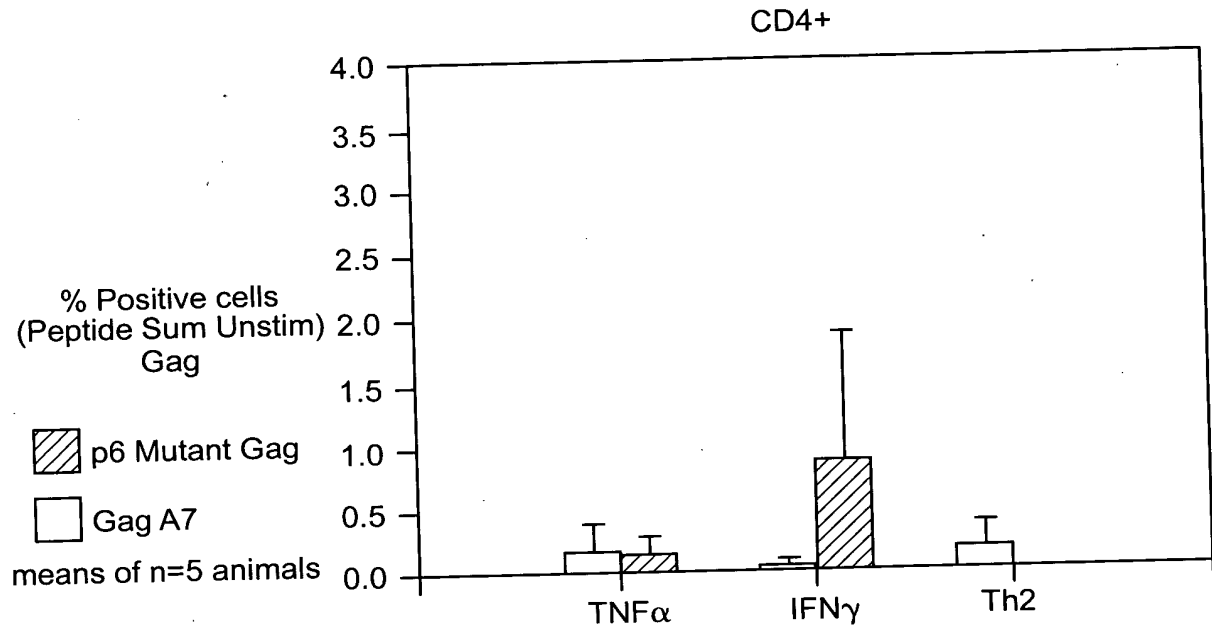


FIG. 2C4

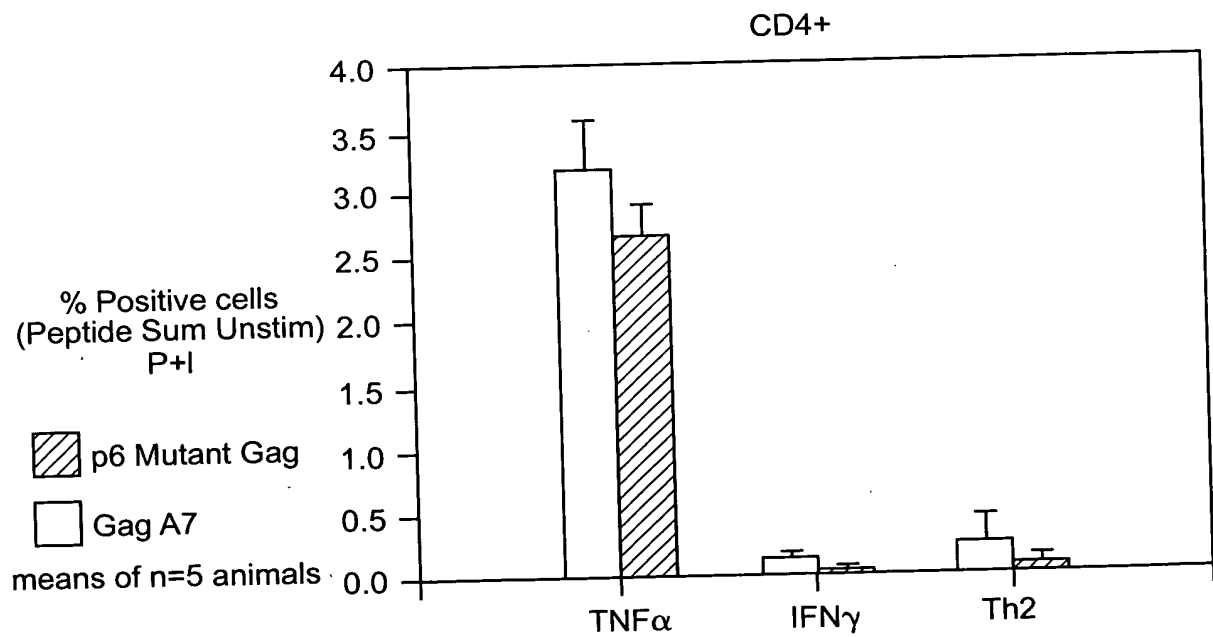




FIG. 2D1

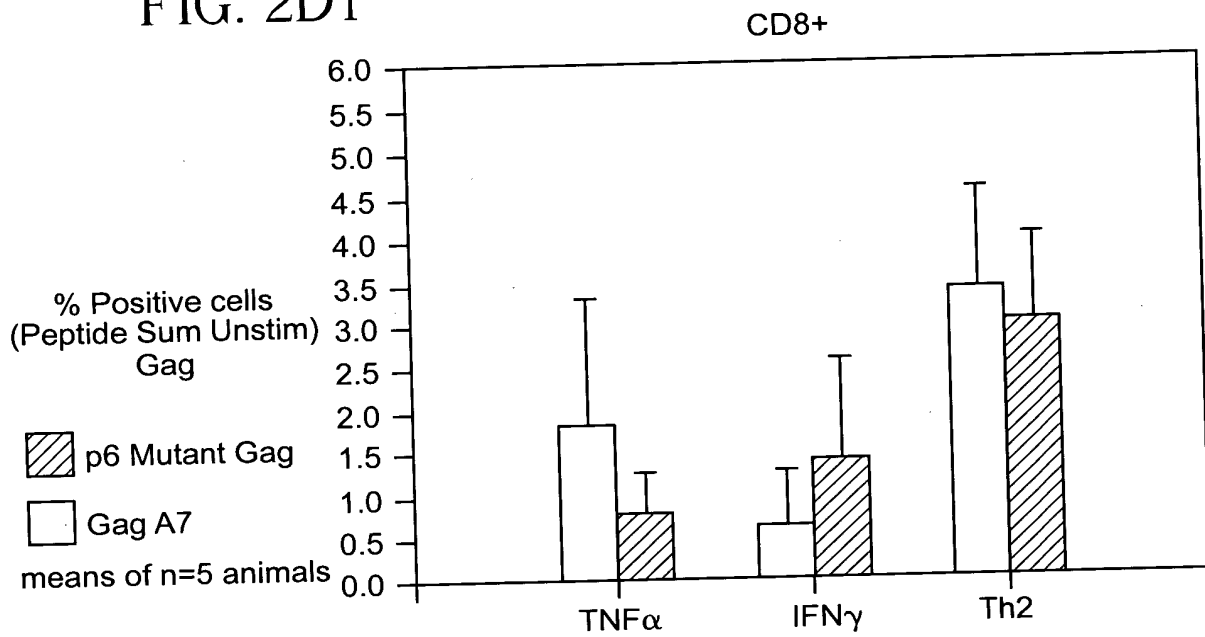


FIG. 2D2

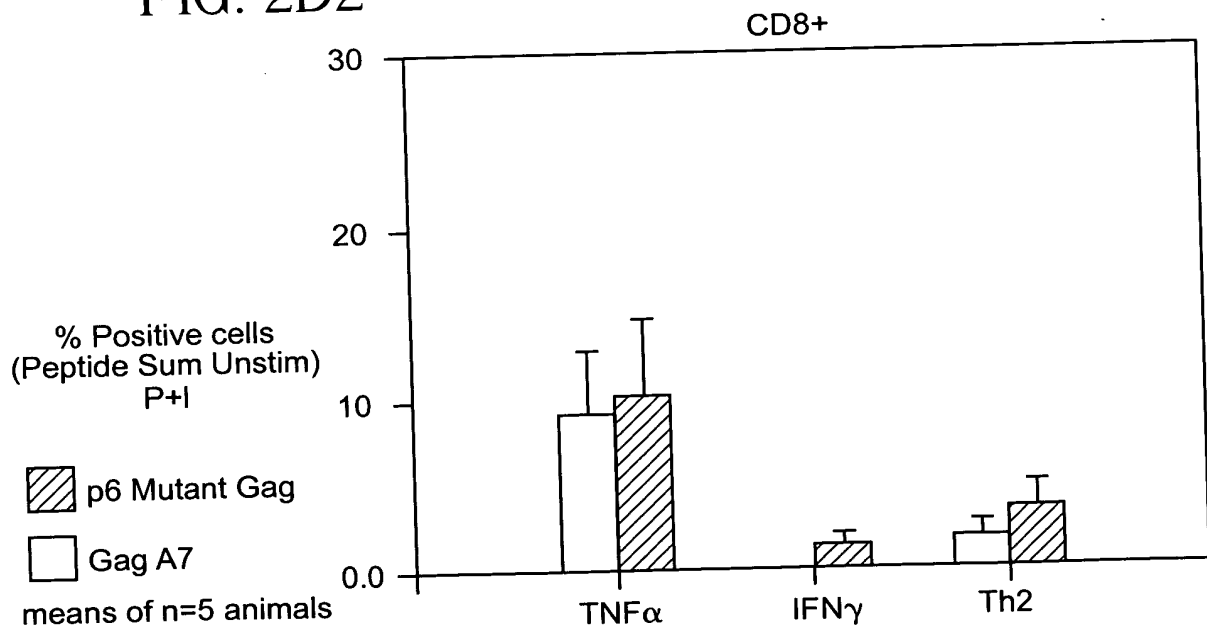


FIG. 2D3

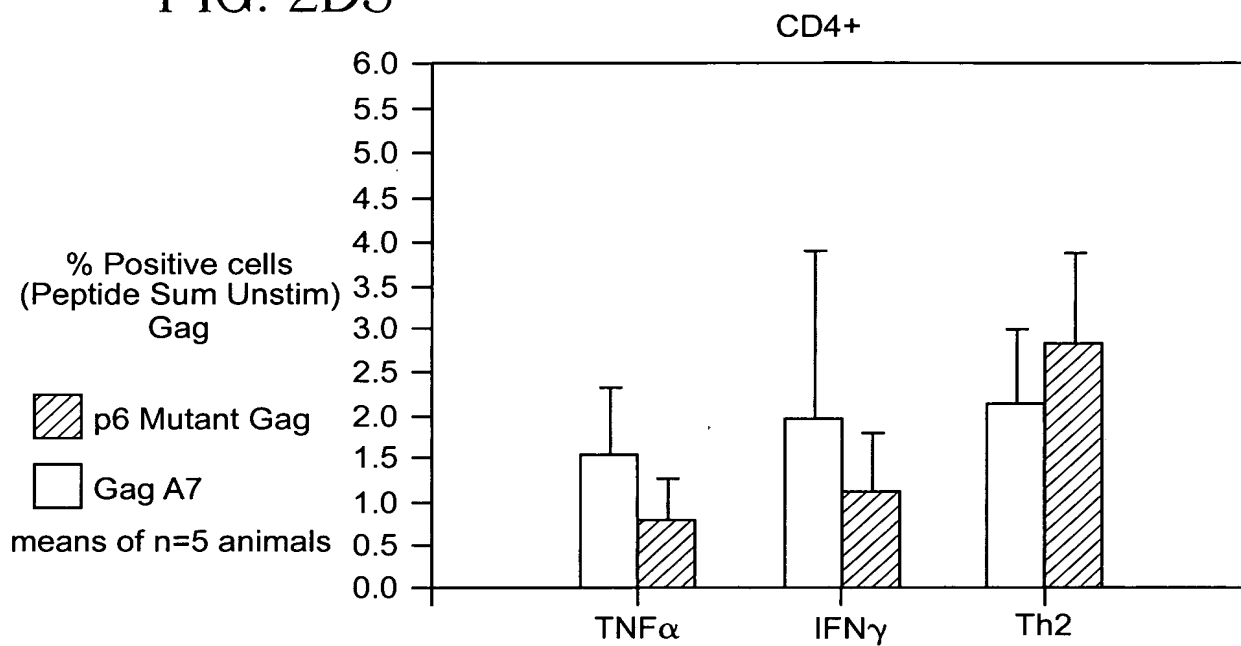


FIG. 2D4

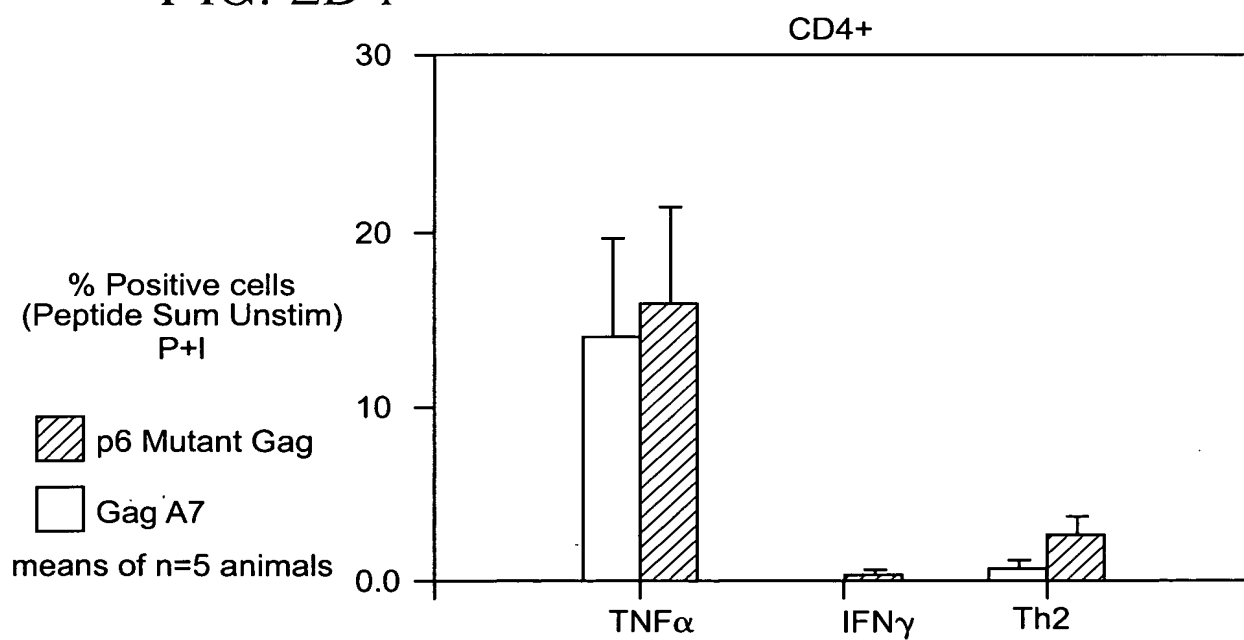


FIG. 3A1 CD8+T cells

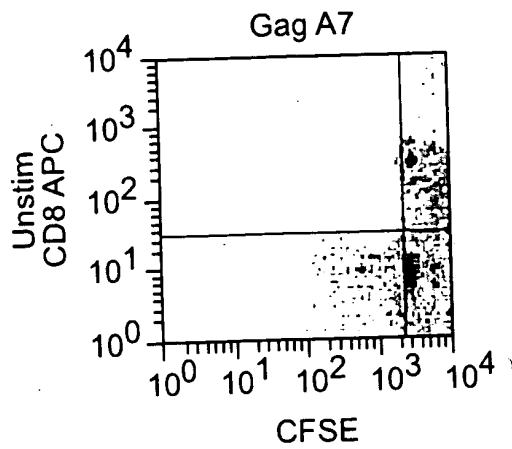


FIG. 3A2 CD8+T cells

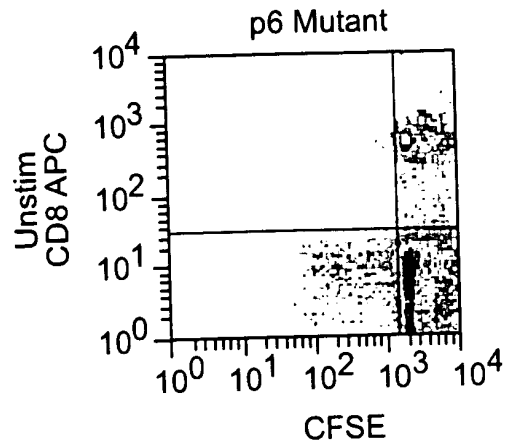


FIG. 3A3 CD8+T cells

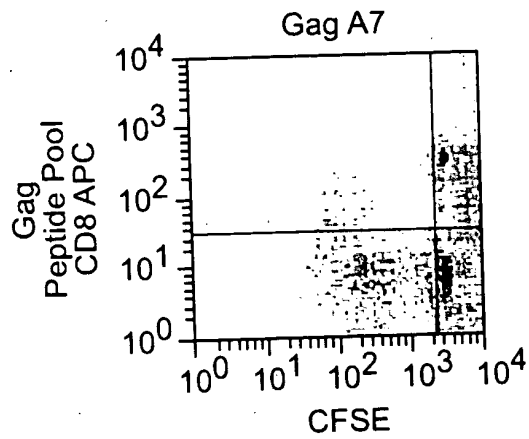


FIG. 3A4 CD8+T cells

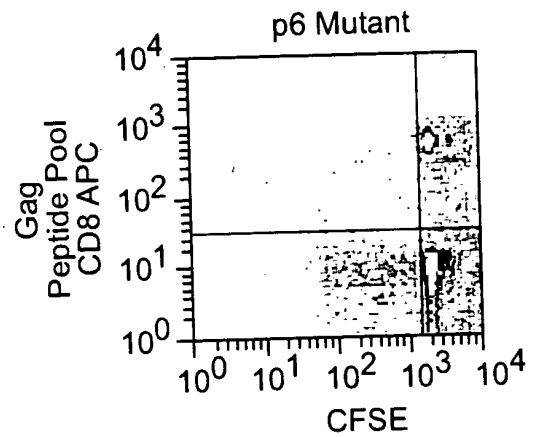


FIG. 3A5 CD8+T cells

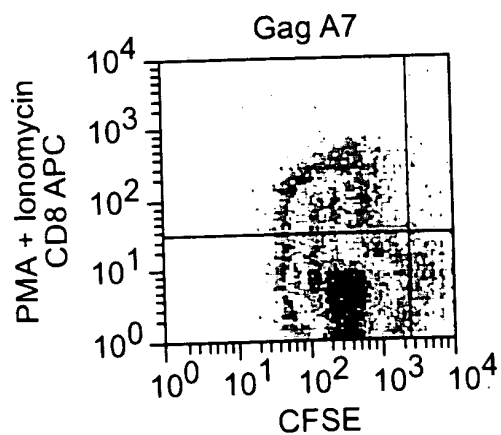


FIG. 3A6 CD8+T cells

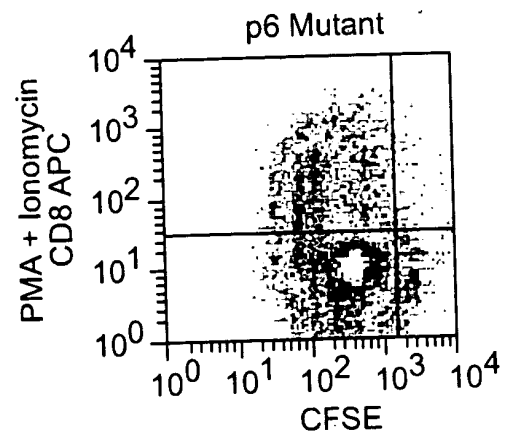


FIG. 3B1 CD4+T cells

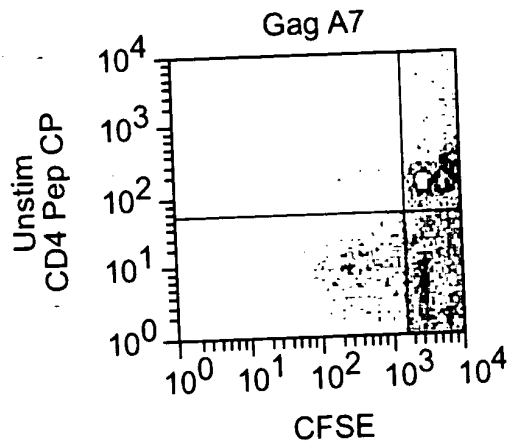


FIG. 3B2 CD4+T cells

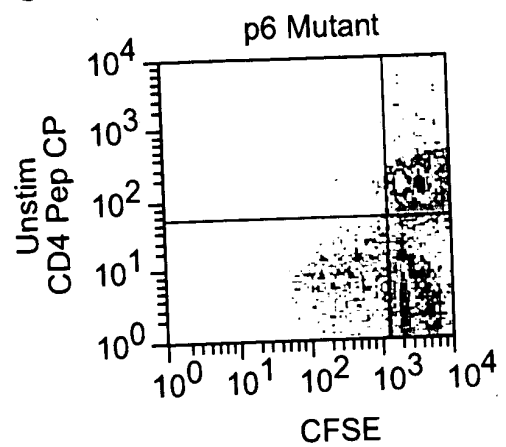


FIG. 3B3 CD4+T cells

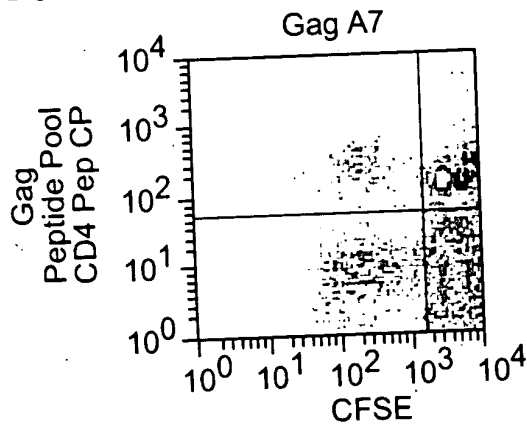


FIG. 3B4 CD4+T cells

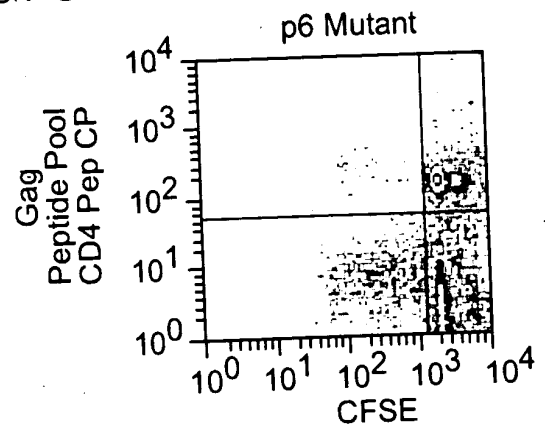


FIG. 3B5 CD4+T cells

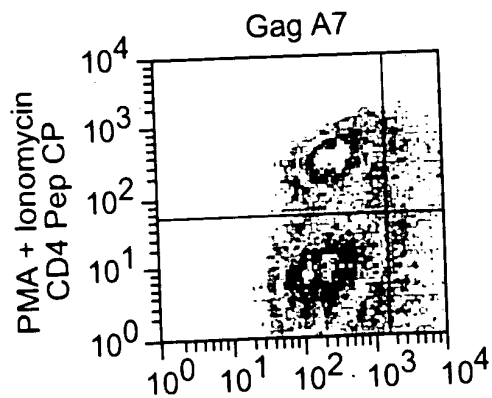


FIG. 3B6 CD4+T cells

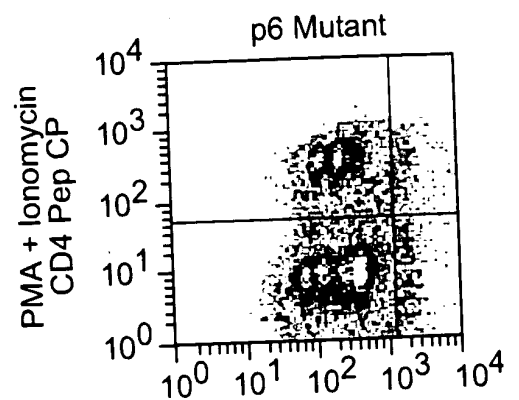


FIG. 4A

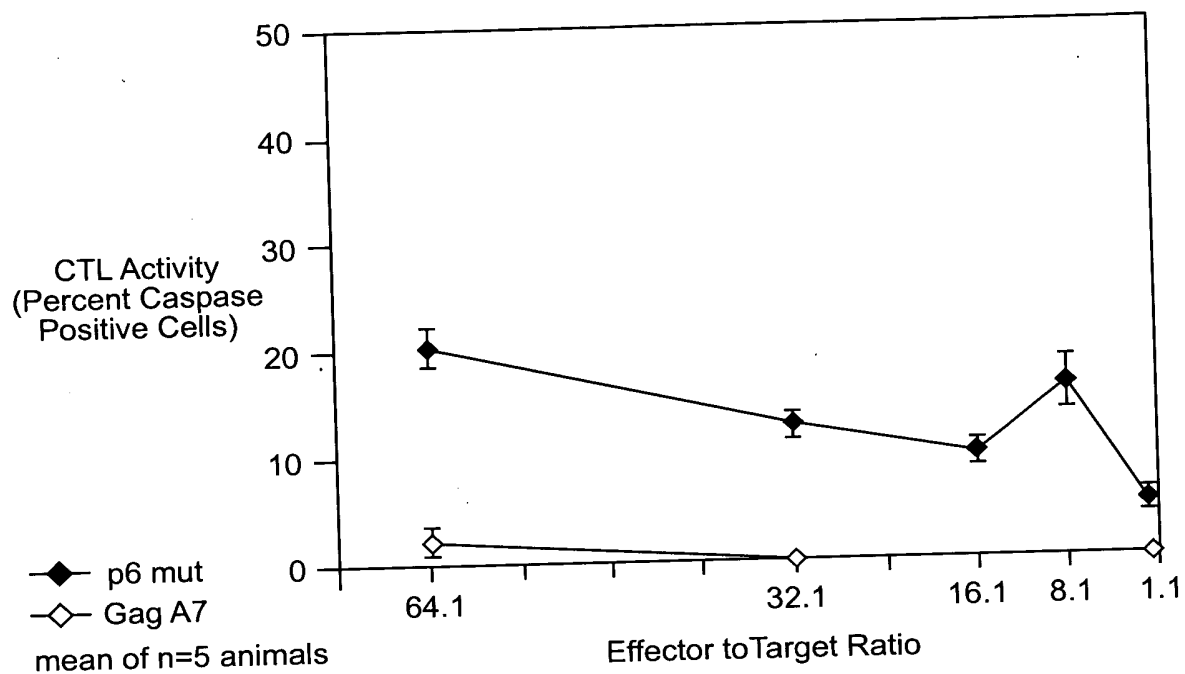


FIG. 4B

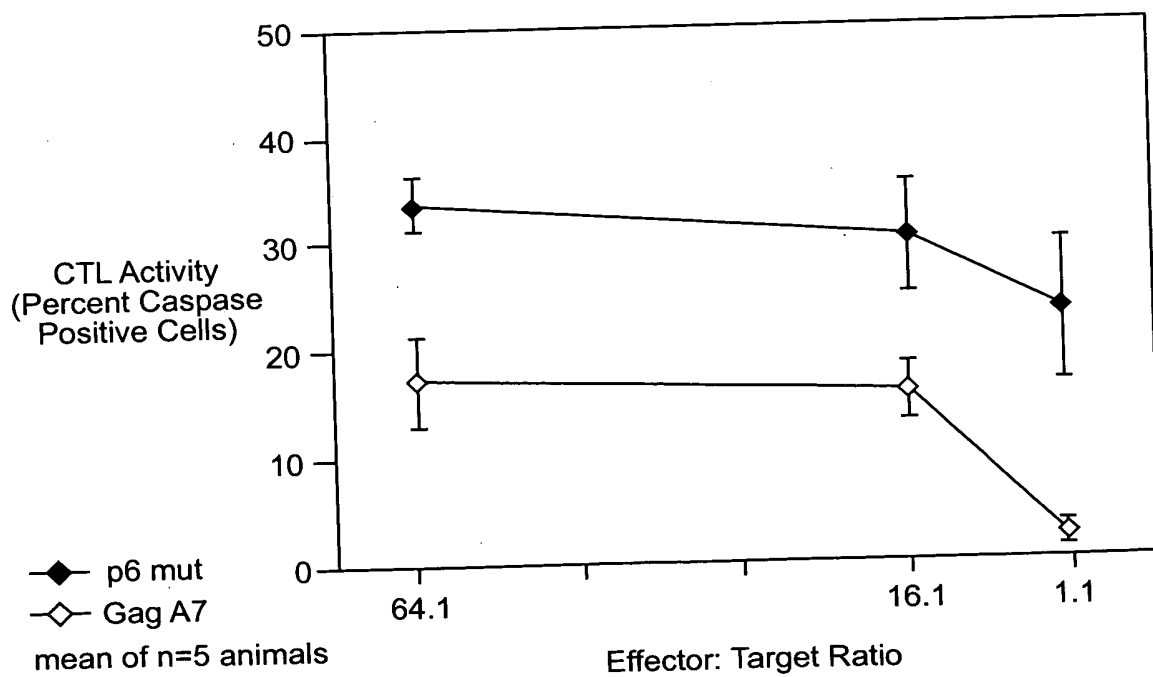


FIG. 5

Mutation Primers:

5'-tcctgcagaacagacctgagcctgctgagagcttccgg-3'  
3'-aggacgtcttgtctggactcggacgactctcgaaggcc-5'